near real-time tactical information, including both data and voice, among air, ground, and sea elements.

13. The AN/DPX–7 is an Identification Friend or Foe (IFF) Transponder used to identify and track aircraft, ships, and some ground forces to reduce friendly fire incidents.

14. The KY–100M is a lightweight terminal for secure voice and data communications. The KY–100M provides wideband/narrowband half-duplex communication. Operating in tactical ground, marine and airborne applications, the KY–100M enables secure communication with a broad range of radio and satellite equipment.

15. The KIV–77 Mode 5 crypto applique computer for IFF is Type 1 certified by the National Security Agency and provides information assurance for both legacy Mode 4 and new Mode 5 IFF equipment. The KIV–77 is used to store the classified keys.

16. The AN/APQ–10C Simple Key Loader is a handheld fill device for securely receiving, storing, and transferring data between cryptographic and communications equipment.

17. The Joint Direct Attack Munitions (JDAM) is a guidance set that converts existing unguided bombs (MK–82, MK–83, MK–84, BLU–109, BLU–110, BLU–111, BLU–117, BLU–126 (Navy) or BLU–129 warhead) into an accurate, adverse weather ''smart'' munition. The Guidance Set consists of a Tail Kit, which contains the Inertial Navigation System (INS) and a Global Positioning System (GPS), and a set of Aerosurfaces and an umbilical Cover, which allows the JDAM to improve the accuracy of unguided, general purpose bombs. The Guidance Set, when combined with a warhead and appropriate fuse, forms a JDAM Guided Bomb Unit (GBU). The JDAM weapon can be delivered from modest standoff ranges at high or low altitudes against a variety of land and surface targets during the day or night. After release, JDAM autonomously guides to a target, using the resident GPS-aided INS guidance system. The JDAM is capable of receiving target coordinates via preplanned mission data from the delivery aircraft, by onboard aircraft sensors (i.e., FUR, Radar, etc.) during captive carry, or from a third-party source via manual or automated aircrew cockpit entry.

The KMU–572 is the guidance set for a GBU–38 (500-pound bomb body) JDAM Tail Kit.

18. The Laser JDAM (GBU–54) is a 500-pound JDAM that incorporates all the capabilities of the JDAM guidance kit and adds a precision laser guidance set. The Guidance Set consists of a Tail Kit, which contains the Inertial Navigation System (INS) and a Global Positioning System (GPS) receiver, a set of Aerosurfaces and an umbilical cover, which allows the JDAM to improve the accuracy of unguided, general purpose bombs. The Laser JDAM (LJDAM) adds the DSU–38/40 sensor, which gives the system a semi-active laser seeker. This allows the weapon to strike targets moving at up to 70 mph.

19. GBU–12/58 Paveway II (PW–II) 500-pound (GBU–12) and 250-pound (GBU–58) are maneuverable, free-fall, laser-guided bombs (LGBs) that guides to reflected laser energy from the desired target. Employment of the LGB is the same as a normal general purpose (GP) warhead, except the semi-active guidance corrects for employment errors inherent in any delivery system. Laser designation for the weapon can be provided by a variety of laser target markers or designators from the air or ground. The Paveway system consists of a laser guidance kit, a computer control group (CCG), a warhead-specific Air Foil Group (AFG) that attach to the nose and tail of MK–81 and MK–82 General Purpose (GP) bombs, and a fuse. The weapon is primarily used for precision bombing against non-hardened targets.

a. The MAU–169 or the MAU–209 are the CCG for the GBU–12 and GBU–58.

b. The MXU–650 is the AFG for the 500-pound GBU–12.

c. MXU–1006/B is the AFG for the 250-pound GBU–58.

20. MK–82 Inert General Purpose (GP) bomb is a 500-pound, free-fall, unguided, low-drag inert weapon used for integration testing. There is no explosive fill.

21. MK–81 Inert GP bomb is a 250-pound inert training ordnance representative in size and weight of an explosive filled bomb to simulate either a free-fall 250-pound bomb or precision guided munition.

22. The Joint Programmable Fuse (JPF) FMU–139 is a multi-delay, multi-arm and proximity sensor compatible with general purpose blast, frag, and hardened-target penetrator weapons. The JPF settings are cockpit selectable in flight when used numerous precision-guided weapons. It can interface with numerous weapons including GBU–12, GBU–58, GBU–54, and GBU–38.

23. The highest level of classification of defense articles, components, and services included in this potential sale is SECRET.

24. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

25. A determination has been made that the Government of Australia can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

26. All defense articles and services listed in this transmittal are authorized for release and export to the Government of Australia.

ARMS SALES NOTIFICATION

Mr. MENENDEZ. Mr. President, section 36(b) of the Arms Export Control Act requires that Congress receive prior notification of certain proposed arms sales as defined by that statute. Upon such notification, the Congress has 30 calendar days during which the sale may be reviewed. The provision stipulates that, in the Senate, the notification of proposed sales shall be sent to the chairman of the Senate Foreign Relations Committee.

In keeping with the committee's intention to see that relevant information is available to the full Senate, I ask unanimous consent to have printed in the RECORD the notifications which have been received. If the cover letter references a classified annex, then such annex is available to all Senators in the office of the Foreign Relations Committee, room SD–423.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

DEFENSE SECURITY,
COOPERATION AGENCY,
Arlington, VA.

Hon. ROBERT MENENDEZ,
Chairman, Committee on Foreign Relations, United States Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 21–41, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Australia for defense articles and services estimated to cost $259 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

HEIDI H. GRANT,
Director.

Enclosures.

TRANSMITTAL NO. 21–41

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Australia.

(ii) Total Estimated Value:
Major Defense Equipment * $211 million.
Other $48 million.
Total $259 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Four (4) CH–47F Cargo Helicopters with customer-unique modifications.

Eight (8) T55–GA–714A Aircraft Turbine Engines.

Five (5) AN/AAR–57 Common Missile Warning Systems (CMWS).

Eight (8) Embedded Global Positioning System (GPS)/Inertial Navigation Systems (INS/EGI) +429.

Two (2) EAGLE+429 Embedded Global Positioning System (GPS)/Inertial Navigation Systems (INS/EGI).

Non-MDE: Also included is mission equipment; communication and navigation equipment; spare parts and components; special tools and test equipment; publications and technical manuals; U.S. Government and contractor engineering, maintenance, technical, and logistical support services, and other related elements of program and logistical support.

(iv) Military Department: Army (AT–B–ULZ).

(v) Prior Related Cases, if any: AT–B–UDK, AT–B–VAF.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: April 29, 2021.

* As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Australia—CH–47F Chinook Helicopters

The Government of Australia has requested to buy four (4) CH–47F cargo helicopters with customer-unique modifications; eight (8) T55–GA–714A aircraft turbine engines, five (5) AN/AAR–57 Common Missile Warning Systems (CMWS); eight (8) Embedded Global Positioning System (GPS)/Inertial Navigation Systems (INS/EGI) +429; and two (2) EAGLE+429 Embedded Global Positioning System (GPS)/Inertial Navigation Systems (INS/EGI). Also included is mission equipment; communication and navigation equipment; spare parts and components; special tools and test equipment; publications and technical manuals; U.S. Government and contractor engineering, maintenance, technical, and logistical support services, and other related elements of program and logistical support. The total estimated value is $259 million.

This proposed sale will support the foreign policy and national security objectives of the United States. Australia is one of our most important allies in the Western Pacific. The strategic location of this political

and economic power contributes significantly to ensuring peace and economic stability in the region. It is vital to the U.S. national interest to assist our ally in developing and maintaining a strong and ready self-defense capability.

The proposed sale of this equipment and support will improve Australia's capability to meet current and future threats, increase operational capabilities, strengthen its homeland defense and promote military cooperation.

The proposed sale of this equipment will not alter the basic military balance in the region.

These aircraft will be provided from U.S. Army stock. The purchaser typically requests offsets. Any offset agreement will be defined in negotiations between the purchaser and the contractor(s).

Implementation of this proposed sale will not require the assignment of any additional U.S. or contractor representatives.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 21–41

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The CH–47F is a twin engine heavy lift helicopter. The CH–47F has the Common Avionics Architecture System (CAAS) cockpit, which provides aircraft system, flight, mission, and communication management systems. The CAAS includes five multifunction displays (MFDs), two general purpose processor units (GPPUs), two control display units (CDUs) and two data concentrator units (DCUs). The Navigation System will have two Embedded GPS/INS (EGis), two Digital Advanced Flight Control System (DAFCS), one ARN–149 Automatic Direction Finder, one ARN–147 VHF Omni Ranging/Instrument Landing System (VOR/ILS)/Marker Beacon (MB) System, one ARN–153 Tactical Air Navigation (TACAN) System, two air data computers, and one radar altimeter system. The communications suite consists of two each AN/ARC–231 Multi-mode radios providing VHF FM, VHF–AM, UHF, HQ II and DAMA SATCOM, and two each AN/ ARC–201 D SINCGARS radios. Also included is the AN/APXX–123A Identification Friend or Foe (IFF) system.

2. The AN/APX–123A Identify Friend-or-Foe (IFF) digital transponder set provides pertinent platform information in response to an IFF interrogator. The digital transponder provides cooperative Mark XII IFF capability using full diversity selection, as well as Mode Select (Mode S) capability. In addition, transponder operation provides interface capability with the aircraft's Traffic Collision and Avoidance System (TCAS). The transponder receives pulsed radio frequency interrogation signals in any of six modes (1, 2, 3/A, S, and 5), decodes the signals, and transmits a pulse-coded reply. The Mark XII IFF operation includes Selective Identification Feature (SIF) Modes 1, 2, 3/A and C, as well as secure cryptographic Mode 5 operational capability.

3. The AN/ARC–231 Ultra High Frequency (UHF) radio is a software defined radio for military aircraft that provides two-way multi-mode voice and data communications. It provides joint service standard line of sight (LOS), HA VE QUICK, SATURN, and SINCGARS electronic counter-counter measures (ECCM), along with integrated waveform satellite communications (SATCOM).

4. The Embedded GPS/INS (EGI) unit CN–1689–(H–764GU) contains sensitive GPS technology. The EGI+429 and the obsolescence-fix version, the EAGLE+429 EGI, are self-contained, all-attitude navigation system providing outputs of linear and angular acceleration, linear and angular velocity, position, attitude (roll, pitch), platform azimuth, magnetic and true heading, altitude, body angular rates, time tags, and Universal Time Coordinated (UTC) synchronized time. The EGI+429 and EAGLE+429 EGI accepts Radio Frequency (RF) Global Positioning System (GPS) satellite transmissions, and provides these signals as inputs to the Embedded GPS Receiver (EGR). The EGR tracks up to twelve space vehicles (SV) signals simultaneously. The EGR supports the GPS and blended GPS/INS navigation solutions.

5. The AN/ARN–149, Automatic Direction Finder (ADF) Receiver, is a low frequency radio that provides automatic compass bearing on any radio signal within the frequency range of 100 to 2199.5 kHz as well as navigation where a commercial AM broadcast signal is the only available navigation aid.

6. The AN/ARN–153, Tactical Airborne Navigation (TACAN) System, is a full featured navigational system that supports four modes of operation: receive mode; transmit receive mode; air-to-air receive mode; and air-to-air transmit-receive mode. The TACAN provides a minimum 500-watt transmit capability with selecting range ratios of 30:1 or 4:1 which is accomplished through the automatic gain control (AGC) enable/disable switch, the 1553 bus, or the RNAV (ARINC) input bus.

7. The AN/ARN–147 Very High Frequency (VHF) Omni Ranging/Instrument Landing System receives input from ground navigation beacons and aids in aircraft navigation.

8. The AAR–57 Common Missile Warning System (CMWS) detects energy emitted by threat missile in-flight, evaluates potential false alarm emitters in the environment, declares validity of threat and selects appropriate counter-measures for defeat. The CMWS consists of an Electronic Control Unit (ECU), Electro-Optic Missile Sensors (EOMSs), and Sequencer and Improved Countermeasures Dispenser (ICMD).

9. The AN/APR–39 Radar Warning Receiver Signal Detecting Set is a system that provides warning of a radar directed air defense threat and allows appropriate countermeasures. Included 1553 databus compatible configuration.

10. The highest level of classification of defense articles, components, and services included in this potential sale is SECRET.

11. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

12. A determination has been made that the Government of Australia can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

13. All defense articles and services listed in this transmittal are authorized for release and export to the Government of Australia.

ARMS SALES NOTIFICATION

Mr. MENENDEZ. Mr. President, section 36(b) of the Arms Export Control Act requires that Congress receive prior notification of certain proposed arms sales as defined by that statute. Upon such notification, the Congress has 30 calendar days during which the sale may be reviewed. The provision stipulates that, in the Senate, the notification of proposed sales shall be sent to the chairman of the Senate Foreign Relations Committee.

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There being no objection, the material was ordered to be printed in the RECORD, as follows:

DEFENSE SECURITY,
COOPERATION AGENCY,
Arlington, VA.

Hon. ROBERT MENENDEZ,
Chairman, Committee on Foreign Relations, U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 21–40, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Australia for defense articles and services estimated to cost $1.685 billion. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

HEIDI H. GRANT,
Director.

Enclosures.

TRANSMITTAL NO. 21–40

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Australia.

(ii) Total Estimated Value:

Major Defense Equipment* $ .500 billion.

Other $1.185 billion.

Total $1.685 billion.

(iii) Description and Quantity or Quantities of Articles or Services under consideration for Purchase:

Major Defense Equipment (MOE):

One hundred sixty (160) M1A1 Tank structures/hulls provided from stock in order to produce the following end items and spares.

Seventy-five (75) M1A2 SEPv3 Abrams Main Battle Tanks.

Twenty-nine (29) M1150 Assault Breacher Vehicles.

Eighteen (18) M1074 Joint Assault Bridges.

Six (6) M88A2 Hercules Combat Recovery Vehicles.

One hundred twenty-two (122) AGT1500 Gas Turbine Engines.

Non-MDE: Also included is development of a unique armor package, Common Remotely Operated Weapon Station Low Profile (CROWS–LP), Driver's Vision Enhancer, mission equipment, special tools and test equipment, ground support equipment, system and engine spare parts, technical data, publications, Modification Work Orders/Engineering Change Proposals (MWO/ECPs), U.S. Government and contractor technical and logistics assistance, quality assurance teams, transportation services, program management, New Equipment Training (NET); and other related elements of logistical and program support.

(iv) Military Department: Army (AT–B–ULU, AT–B–ULX, AT–B–UKQ, AT–B–UKX).

(v) Prior Related Cases, if any: AT–B–ZZH, AT–B–UHQ, AT–B–UIZ, AT–B–UIG.